

6-18GHz AC Broadband Power Amplifier

P/N: MZPA0618GAC30W



■ Features

- Ultra Wide Band: 6-18GHz
- Gain: 40dB
- Output Power Psat: 45dBm
- Bias: 110~220V/50~60Hz

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

■ Electrical Specifications +25°C



Parameter	Min.	Typ.	Max	Units
Frequency Range	6-18			GHz
Small Signal Gain	40			dB
Gain Flatness		±2.5		dB
Gain Variation Over Temperature			±1.5	dB
Input VSWR		1.5	2.0	-
Output Power for 1 dB Compression (P1dB)		42		dBm
Saturated Output Power (Psat)	45			dBm
Noise Figure		8		dB
Harmonic Rejection		15		dB
Input Max Power(no damage)			10	dBm
Internally Generated Spurious		-60		dBc
Supply Voltage	110~220V/50Hz			
Impedance	50			Ω
Input Output Connector	SMA-Female/SMA-Female			
Material	Aluminium			
Weight	5kg			

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■ Environmental Conditions

Operational Temperature	-35°C~+70°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave, 3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

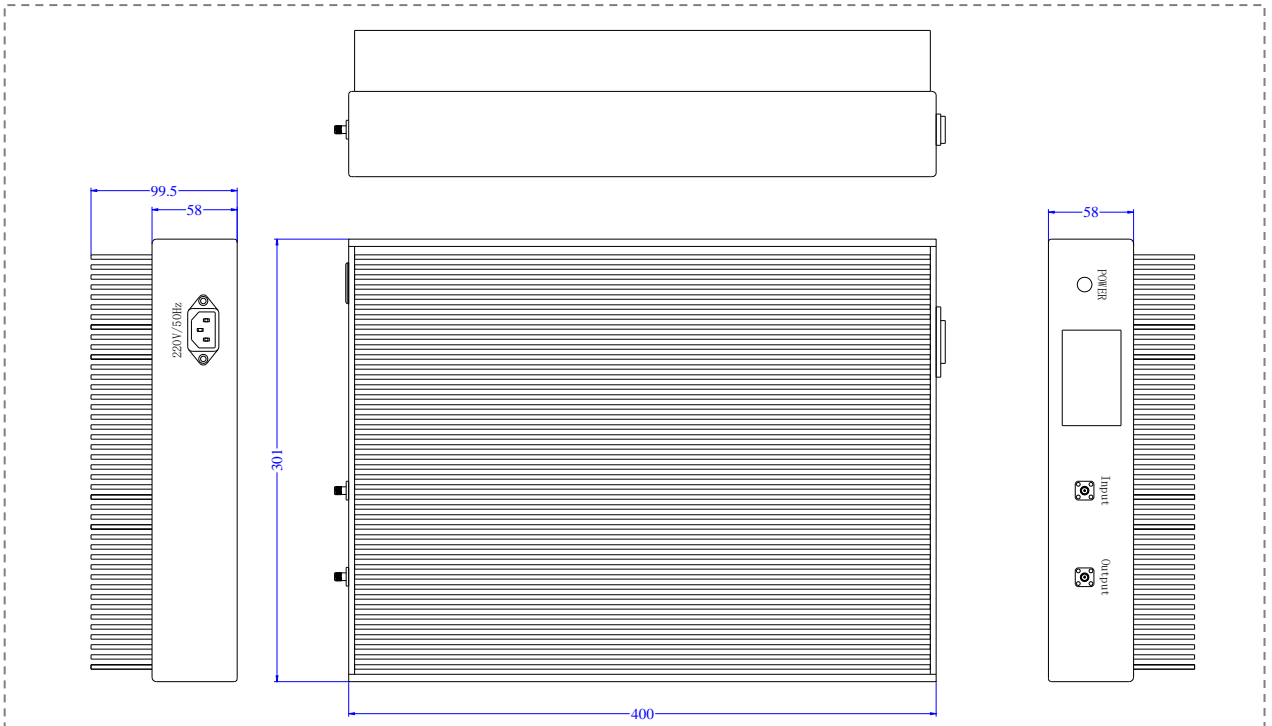
■ Absolute Maximum Ratings

Supply Bias Voltage	/
RF INPUT POWER	+10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



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